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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Tapesch YADAV et al.
Title: PRINTING INKS AND REAGENTS FOR
NANOELECTRONICS AND CONSUMER
PRODUCTS
Appl. No.: 10/679,611
Filing Date: 10/06/2003
Examiner: Jerry A. LORENZO
Art Unit: 1755
Conf. No. 3294

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of the documents to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR § 1.56. A copy of each non-U.S. patent document and each non-patent document is being not submitted but the IDS complies with the provisions of 37 CFR § 1.97 and § 1.98 as these documents were cited in one or more parent applications upon which the present application claims the benefit of under 35 U.S.C. § 120-21.

This U.S. Application, 10/679,611, was filed 10-06-2003, and

This application is a Divisional of application number 10/441,583, filed 05-20-2003,

Which is a Divisional of application number 09/790,036, filed 02-20-2001, now U.S. Patent 6,933,331,

Which is a Continuation-in-part of application number 09/753,806, filed 01-03-2001, now U.S. Patent 6,513,362,

Which is a Division of application number 09/083,893, filed 05-22-1998, now U.S. Patent 6,228,904,

Atty. Dkt. No. 037768-0137

Which is a Division of application number 09/074,534, filed 05-07-1998, now U.S. Patent 6,202,471,

Which is a Continuation-in-part of application number 08/739,257, filed 10-30-1996, now U.S. Patent 5,905,000,

Which is a Continuation-in-part of application number 08/730,661, filed 10-11-1996, now U.S. Patent 5,952,040,

Which is a Continuation-in-part of application number 08/706,819, filed 09-03-1996, now U.S. Patent 5,851,507,

Which is a Continuation-in-part of application number 08/707,341, filed 09-03-1996, now U.S. Patent 5,788,738.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP § 609.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE


The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

FEE

A credit card payment form in the amount of \$180.00 is enclosed in accordance with 37 CFR §1.17(p) to cover the fee associated with an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00.

Respectfully submitted,

Date 09-12-2007
FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 295-4166
Facsimile: (202) 672-5399

By 
Sean A. Passino
Attorney for Applicant
Registration No. 45,943

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/679,611
Date Submitted: <u>SEP 13 2007</u>		Filing Date	10/06/2003
(use as many sheets as necessary)		First Named Inventor	Tapesh Yadav
		Art Unit	1755
		Examiner Name	Jerry A. Loreng
		Attorney Docket Number	037768-0137
Sheet	1	of	12



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	B1	2001/0038803	11-2001	Morales et al.	
	B2	2002/0033131	03-2002	Boström et al.	
	B3	2002/0100164 A1	08-2002	Tanaka et al.	
	B4	2002/0149656 A1	10-2002	Nohr et al.	
	B5	2003/0017336 A1	01/23/2003	Gedanken et al.	
	B6	2003/0035955	02-2003	Yadav, Tapesh	
	B7	2003/0102099	06/05/2003	YADAV ET AL.	
	B8	2003/0122114	07/2003	Dobler et al.	
	B9	2003/0124050	07/03/2003	YADAV ET AL.	
	B10	2003/0199624 A1	10-2003	Yadav et al.	
	B11	2003/0209057 A1	11-2003	Yadav et al.	
	B12	2003/0207978 A1	11-2003	Yadav et al.	
	B13	2003/0207977 A1	11-2003	Yadav et al.	
	B14	2003/0207112 A1	11-2003	Yadav, Tapesh	
	B15	2003/0224214	12/2003	Garito et al.	
	B16	2004/0021133	02/2004	Naggal et al.	
	B17	2004/0127987	07-2004	Evans et al.	
	B18	2004/0139820 A1	07/22/2004	Kodas et al.	
	B19	2004/0180203 A1	09-2004	Yadav et al.	
	B20	2004/0178530 A1	09/16/2004	Yadav et al.	
	B21	2004/0233526	11/2004	Kaminsky et al.	
	B22	3,531,413	09/29/1970	Rosensweig	
	B23	3,565,676	02/12/1971	Holzl	
	B24	3,635,819	01/18/1972	Kaiser	
	B25	3,700,575	10/24/1972	Paine	
	B26	3,734,790	05/22/1973	Kirshenbaum	
	B27	3,764,540	10/09/1973	Khalafalla et al.	
	B28	3,806,449	04/23/1974	Kaiser	
	B29	3,905,109	09-1975	Cohen et al.	
	B30	3,917,538	11/04/1975	Rosensweig	
	B31	3,981,844	09/21/1976	Romankiw	
	B32	4,017,820 A	04/12/1977	Ross	
	B33	4,019,994	04/26/1977	Kelley	
	B34	4,094,804	06/13/1978	Shimoizaka	
	B35	4,208,294	06/17/1980	Khalafalla et al.	
	B36	4,234,437	11/18/1980	Friberg et al.	
	B37	4,252,678	02/24/1981	Smith	
	B38	4,280,918	07/28/1981	Homola et al.	
	B39	4,292,029	09/1981	Craig et al.	
	B40	4,315,827	02/16/1982	Bottenberg et al.	

Examiner Signature	ALL REFERENCES CONSIDERED EXCEPT WHERE LINE THROUGH. J.L.J.	Date Considered	J.L.J. 10/15/2008
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*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP §01.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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			Art Unit	1755	
			Examiner Name	Jerry A. Lorengo	
			Attorney Docket Number	037768-0137	
Sheet	2	of	12		

U.S. PATENT DOCUMENTS

	Document Number		
B41	4,329,241	05/11/1982	Massart
B42	4,356,098	10/26/1982	Chagnon
B43	4,381,244	04/26/1983	Berkowitz et al.
B44	4,381,922 A	05/03/1983	Frey et al.
B45	4,416,721	11/22/1983	Deregibus
B46	4,426,356	01/17/1984	Nair
B47	4,430,239	02/07/1984	Wyman
B48	4,453,199	06/05/1984	Ritchie et al.
B49	4,484,943	11/27/1984	Miura et al.
B50	4,485,085	11/27/1984	David et al.
B51	4,534,917	08/13/1985	Walz
B52	4,584,244	04-1986	Fenton, Jeff T.
B53	4,588,575	05/13/1986	David
B54	4,588,575	05/13/1986	David
B55	4,609,608	09/02/1986	Solc
B56	4,610,857	09/09/1986	Ogawa et al.
B57	4,619,845	10/28/1986	Ayers et al.
B58	4,631,952	12/30/1986	Donaghey
B59	4,642,207 A	02/01/1987	Uda et al.
B60	4,701,218	10-1987	Barker et al.
B61	4,721,610	01/26/1988	Yoshida et al.
B62	4,760,296	07/26/1988	Johnson et al.
B63	4,842,832	06/27/1989	Inoue et al.
B64	4,851,262	07/25/1989	McFeaters
B65	4,857,492	08/15/1989	Bradley et al.
B66	4,944,985	07-1990	Alexander et al.
B67	4,984,446	01/15/1991	Yagawara et al.
B68	4,988,539	01/29/1991	Breuil et al.
B69	5,011,627	04-1991	Lutz et al.
B70	5,030,669	07-1991	Hendrickson et al.
B71	5,093,286	03/03/1992	Nogami et al.
B72	5,127,951	07-1992	Imasato et al.
B73	5,128,081 A	07/01/1992	Siegel et al.
B74	5,130,210	07/14/1992	Iwasaki et al.
B75	5,130,277	07/14/1992	Ueda et al.
B76	5,134,039	07-1992	Alexander et al.
B77	5,147,448 A	09/01/1992	Roberts et al.
B78	5,149,381 A	09/01/1992	Grewe et al.
B79	5,149,596 A	09/01/1992	Smith et al.
B80	5,180,394	01-1993	Davidson, James A.
B81	5,180,650 A	01-1993	Sacripante et al.
B82	5,187,209	02/16/1993	Hirai et al.
B83	5,190,583	03/02/1993	Menzel et al.

Examiner Signature	ALL REFERENCES CONSIDERED EXCEPT WHERE LINE DATA THROUGH, J.L./J.L./10/15/2008 Considered
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		Art Unit	1755
		Examiner Name	Jerry A. Lorengo
Attorney Docket Number	037768-0137		
Sheet	3	of	12

U.S. PATENT DOCUMENTS

	Document Number		
B84	5,194,128	03/16/1993	Beaty et al.
B85	5,215,580 A	06-1993	Elfenthal et al.
B86	5,252,949	10/12/1993	Kirby et al.
B87	5,258,338	11/02/1993	Maher
B88	5,264,157	11/23/1993	Bidan et al.
B89	5,308,804	05/03/1994	Lee
B90	5,334,292	08/02/1994	Rajeshwar et al.
B91	5,338,430 A	08/01/1994	Parsonage et al.
B92	5,350,641	09/27/1994	Mogensen et al.
B93	5,355,764 A	10/01/1994	Marinos et al.
B94	5,356,120	10/18/1994	König et al.
B95	5,356,842	10/18/1994	Yamakawa et al.
B96	5,368,951	11/29/1994	Shiratori et al.
B97	5,381,664	01/17/1995	Bennett et al.
B98	5,385,776 A	01/31/1995	Maxfield et al.
B99	5,387,462	02/07/1995	Debe
B100	5,403,375	04/04/1995	König et al.
B101	5,407,458	04/18/1995	König et al.
B102	5,414,588	05/09/1995	Barbee, Jr. et al.
B103	5,417,956	05/23/1995	Moser
B104	5,420,083	05/30/1995	Brandt
B105	5,427,672	06/27/1995	Böcker et al.
B106	5,433,906	07/18/1995	Dasch et al.
B107	5,447,708	09/05/1995	Helble et al.
B108	5,460,830 A	10/24/1995	Kossovsky et al.
B109	5,462,751 A	10/13/1995	Kossovsky et al.
B110	5,462,903	10/31/1995	Rousset et al.
B111	5,466,575	11/14/1995	Cozzette et al.
B112	5,466,587	11-1995	Fitzpatrick-McElligott et al.
B113	5,466,652 A	11/14/1995	Papazizos et al.
B114	5,468,358 A	11/21/1995	Ohkawa et al.
B115	5,472,477	12/05/1995	König
B116	5,476,003	12/19/1995	Neumann
B117	5,482,656	01/09/1996	Hiraoka et al.
B118	5,486,277	01/23/1996	Barbee, Jr. et al.
B119	5,486,277	01/23/1996	Barbee, Jr. et al.
B120	5,486,435 A	01/01/1996	Brochu et al.
B121	5,486,675 A	01/01/1996	Taylor et al.
B122	5,489,449	02/06/1996	Umeya et al.
B123	5,503,081 A	04/01/1996	Lindblom et al.
B124	5,507,965 A	04/01/1996	Padoy et al.
B125	5,514,734	05/1996	Maxfield et al.
B126	5,518,810	05/21/1996	Nishihara et al.

Examiner Signature	ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. J.L./ J.L./ 10/15/2008	Date Considered
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(use as many sheets as necessary)

Sheet 4 of 12**Complete if Known**

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First Named Inventor	Tapesh Yadav
Art Unit	1755
Examiner Name	Jerry A. Lorengo
Attorney Docket Number	037768-0137

U.S. PATENT DOCUMENTS

Document Number	Date	Author	
B127	5,527,849	06/18/1996	Roman et al.
B128	5,539,965	07/30/1996	Safari et al.
B129	5,548,000 A	08/20/1996	Nagel et al.
B130	5,548,474	08/20/1996	Chen et al.
B131	5,549,700	08-1996	Graham et al.
B132	5,554,670	09/1996	Giannelis et al.
B133	5,560,960	10/01/1996	Singh et al.
B134	5,569,561 A	10/01/1996	Exnar et al.
B135	5,571,401	11/05/1996	Lewis et al.
B136	5,571,612	11/05/1996	Motohiro et al.
B137	5,590,387	12/31/1996	Schmidt et al.
B138	5,593,939	01-1997	Saito et al.
B139	5,614,011	03-25-1997	Binder et al.
B140	5,618,475 A	04/08/1997	Johnson et al.
B141	5,624,718 A	04/01/1997	Dearney
B142	5,629,075 A	05/13/1997	Ishikawa et al.
B143	5,629,474	05/13/1997	Williams
B144	5,635,654	06/03/1997	Hebsur et al.
B145	5,650,156 A	07/22/1997	Grinstein et al.
B146	5,665,277 A	09/01/1997	Johnson et al.
B147	5,665,807	09/09/1997	Roman et al.
B148	5,679,471	10/21/1997	Cheng et al.
B149	5,681,575	10/28/1997	BURRELL ET AL.
B150	5,688,417 A	11/01/1997	Cadre et al.
B151	5,690,706	11/25/1997	Sigalas et al.
B152	5,709,786	01/20/1998	Friese et al.
B153	5,714,536	02-1998	Ziolo et al.
B154	5,718,047	02-1998	Nakayama et al.
B155	5,720,805 A	02-1998	Wellinghoff et al.
B156	5,726,247	03/1998	Michalczyk et al.
B157	5,739,193	04/14/1998	Walpita et al.
B158	5,764,004	06/09/1998	Rabinowitz
B159	5,770,022 A	06/01/1998	Chang et al.
B160	5,770,126 A	06-1998	Singh et al.
B161	5,788,738	08/04/1998	PIRZADA ET AL.
B162	5,840,387	11-1998	Berlowitz-Tarrant et al.
B163	5,851,507	12/22/1998	PIRZADA ET AL.
B164	5,858,080 A	01-1999	Bugnon, Philippe
B165	5,874,134 A	02/01/1999	Rao et al.
B166	5,876,683 A	03/01/1999	Glumac et al.
B167	5,876,683 A	03/01/1999	Glumac et al.
B168	5,880,197 A	03/09/1999	Beall et al.
B169	5,891,986	04-1999	Yamaguchi et al.

Examiner
Signature

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U.S. PATENT DOCUMENTS

Document Number			
B170	5,897,945	04/27/1999	Lieber et al.
B171	5,905,000 A	05/18/1999	Yadav et al.
B172	5,922,537 A	07/13/1999	Ewart et al.
B173	5,935,461 A	08/01/1999	Witherspoon et al.
B174	5,939,146 A	08/17/1999	Lavernia
B175	5,952,040 A	09/01/1999	Yadav et al.
B176	5,981,415 A	11/09/1999	Waku et al.
B177	5,984,997 A	11/16/1999	Bickmore et al.
B178	5,989,648 A	11/23/1999	Phillips
B179	6,020,419	02/01/2000	Bock et al.
B180	6,027,742 A	02/22/2000	Lee et al.
B181	6,036,774	03/2000	Lieber et al.
B182	6,042,900 A	03/01/2000	Rakhimov et al.
B183	6,045,925 A	04/04/2000	Klabunde et al.
B184	6,057,637	05/02/2000	Zettl et al.
B185	6,065,476	05-2000	Agrawal et al.
B186	6,080,232	06-27-2000	Sperlich et al.
B187	6,109,095 A	08/29/2000	Addiego
B188	6,110,266	08/29/2000	Gonzales-Blanco et al.
B189	6,110,399 A	08/29/2000	McArdle et al.
B190	6,110,557 A	08/29/2000	Weir et al.
B191	6,114,038 A	09/05/2000	Castro et al.
B192	6,117,541 A	09/12/2000	Frisk
B193	6,127,450 A	10/03/2000	Angeletakis
B194	6,132,563 A	10/01/2000	Frach et al.
B195	6,132,905 A	10/01/2000	Kumar et al.
B196	6,139,618 A	10-2000	Hayashi et al.
B197	6,143,356	11-2000	Jablonski, Gregory A.
B198	6,162,532 A	12/09/2000	Black et al.
B199	6,165,247	12/26/2000	Kodas et al.
B200	6,170,292	01-09-2001	Boulos et al.
B201	6,180,389 B1	01/30/2001	Douglas et al.
B202	6,194,481 B1	02/27/2001	Furman et al.
B203	6,214,368 B1	04/ 10/2001	Lee et al.
B204	6,228,904	05/2001	Yadav et al.
B205	6,258,417 B1	07/10/2002	Goswami et al.
B206	6,258,974 B1	07/10/2001	Wellinghoff et al.
B207	6,261,484 B1	07/17/2001	Phillips et al.
B208	6,268,054 B1	07/31/2001	Costantino et al.
B209	6,268,222	07/31/2001	Chandler et al.
B210	6,270,347 B1	08/07/2001	Webster et al.
B211	6,291,070 B1	09/18/2001	Arpac et al.
B212	6,294,009 B1	09-25-2001	Letschert et al.

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Sheet 6 of 12

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Application Number	10/679,611
Filing Date	10/06/2003
First Named Inventor	Tapesh Yadav
Art Unit	1755
Examiner Name	Jerry A. Lorengo
Attorney Docket Number	037768-0137

U.S. PATENT DOCUMENTS

Document Number			
B213	6,299,937	10-2001	Richart, Douglas
B214	6,300,640 B1	10/09/2001	Bhargava et al.
B215	6,306,610 B1	10/23/2001	Bawendi et al.
B216	6,312,831 B1	11-06-2001	Crawley et al.
B217	6,326,144 B1	12/04/2001	Bawendi et al.
B218	6,328,798	12-2001	Bostrom et al.
B219	6,331,312 B1	12/18/2001	Lee et al.
B220	6,344,271	02-2002	Yadav et al.
B221	6,361,161 B1	03-2002	Anstadt et al.
B222	6,375,864	04/23/2002	Phillips et al.
B223	6,387,519	05-14-2002	Anderson et al.
B224	6,387,981 B1	05/14/2002	Zhang et al.
B225	6,399,037 B1	06/04/2002	Pflug et al.
B226	6,410,765 B1	06/25/2002	Wellinghoff et al.
B227	6,413,638	07/02/2002	Mager et al.
B228	6,416,818	07/09/2002	Aikens et al.
B229	6,416,868 B1	07/09/2002	Sullivan et al.
B230	6,417,127 B1	07/09/2002	Yamamoto et al.
B231	6,419,989	07-16-2002	Betz et al.
B232	6,432,526	08/13/2002	Amey et al.
B233	6,432,866 B1	08/13/2002	Tennent et al.
B234	6,440,243 B1	08/27/2002	Tan et al.
B235	6,440,561 B2	08-2002	Hayashi et al.
B236	6,447,806	09-10-2002	Gassmann et al.
B237	6,447,848 B1	09/10/2002	Chow et al.
B238	6,467,897	10/22/2002	Wu et al.
B239	6,468,497 B1	10/01/2002	Khan et al.
B240	6,468,808 B1	10/22/2002	Nie et al.
B241	6,479,156 B1	11/12/2002	Schmidt et al.
B242	6,485,557 B1	11-26-2002	Swiler
B243	6,497,729	12-2002	Moussy et al.
B244	6,498,208 B2	12/24/2002	Border et al.
B245	6,503,316 B1	01-07-2003	Sakoske et al.
B246	6,503,475 B1	01/07/2003	McCormick et al.
B247	6,528,029 B1	03/04/2003	Detling et al.
B248	6,541,112 B1	04-01-2003	Swiler
B249	6,548,171 B1	04/15/2003	Barbera-Guillem et al.
B250	6,569,397	05/27/2003	YADAV ET AL.
B251	6,572,672	06-2003	Yadav et al.
B252	6,572,693 B1	06/03/2003	Wu et al.
B253	6,589,312 B1	07/08/2003	Snow et al.
B254	6,600,127 B1	07/01/2003	Peterson et al.
B255	6,602,595 B2	08-2003	Yadav et al.

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Sheet 7 of 12

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Application Number	10/679,611
Filing Date	10/06/2003
First Named Inventor	Tapesh Yadav
Art Unit	1755
Examiner Name	Jerry A. Lorengo
Attorney Docket Number	037768-0137

U.S. PATENT DOCUMENTS

Document Number		
B256 6,616,968	09-2003	Bostrom et al.
B257 6,623,557 B2	09-2003	Hayashi et al.
B258 6,652,967	11/25/2003	Yadav et al.
B259 6,653,356	11/25/2003	Sherman
B260 6,663,948 B1	12/16/2003	Takiyama et al.
B261 6,667,360 B1	12/23/2003	Ng et al.
B262 6,680,279	01/20/2004	Cai et al.
B263 6,682,872 B2	01/27/2004	Sachdev et al.
B264 6,689,192 B1	02/01/2004	Phillips et al.
B265 6,689,823 B1	02/10/2004	Bellare et al.
B266 6,693,143 B2	02/17/2004	Pflug
B267 6,716,525	04-2004	Yadav et al.
B268 6,726,992	04/27/2004	Yadav et al.
B269 6,746,791	06/2004	Yadav et al.
B270 6,800,127 B2	10-2004	Babler, Fridolin
B271 6,830,710	12-2004	Bennett et al.
B272 6,830,822	12-2004	Yadav, Tapesh
B273 6,849,109 B2	02-2005	Yadav et al.
B274 6,855,426	02-2005	Yadav, Tapesh
B275 6,855,749	02-2005	Yadav et al.
B276 6,916,872	07/2005	Yadav et al.
B277 6,933,331	08-2005	Yadav et al.

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Application Document Serial Number-Kind Code* (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
B278	10/424,395		04-28-2003		
B279	10/434,828		05-09-2003		
B280	10/435,287		05-09-2003		
B281	10/435,222		05-20-2003		
B282	10/441,501		05-20-2003		
B283	10/679,611		10-06-2003		
B284	10/426,414		04-30-2003		

FOREIGN PATENT DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/679,811
Date Submitted: SEP 13 2007		Filing Date	10/06/2003
(use as many sheets as necessary)		First Named Inventor	Tapesh Yadav
Sheet	8	Art Unit	1755
of	12	Examiner Name	Jerry A. Lorengo
		Attorney Docket Number	037768-0137

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code* Number* Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
	B285	DE 4238688	05/19/1994	Frieze, Karl-Hermann		
	B286	EP 0 004 859 B1	10/31/1979	Chemische Werke Huls AG		
	B287	EP 0 084 769 A2	08-1983	ECHO		
	B288	EP 0 550 874 A1	07/14/1993	Corning Incorporated		
	B289	EP 0 736 885 B1	10/09/1996	dmc2 Degussa Metals Catalysts Cerdec AG		
	B290	EP 0 810 259 A1	12/03/1997	Bayer AG		
	B291	FR 2 722 492	01/19/1996	Sumitomo Chemical Company Limited		
	B292	JP 08261979	11/40/1996			
	B293	JP 102110	04/01/1990			
	B294	JP 102110	06/01/1998			
	B295	JP 60-196659	05/10/1985			
	B296	RU 1654258	06/01/1991			
	B297	WO 91/06036 A	05/02/1991	Research Corporation Technologies, Inc.		
	B298	WO 94/01143	01/20/1994	W.R. Grace & Co.-Conn.		
	B299	WO 95/00609	01/05/1995	Fraction-Nement Indiaux S.A.		
	B300	WO 95/01643 A	01/12/1995	Carnegie Mellon University		
	B301	WO 96/29711	09/26/1996	Raychem Corporation		
	B302	WO 97/15935	05/01/1997	Mitsubishi Materials Corporation		
	B303	WO 97/16479	05/09/1997	Institut Für Neue Materialien Gemeinnützige GMBH		
	B304	WO 97/24297	07/10/1997	Exxon Research and Engineering Company		

NON PATENT LITERATURE DOCUMENTS

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	B305	Beck and Siegel, "J. Mater. Res." 7, 2840 (1992).	
	B306	Bronstein et al. "Nanodispersed Cobalt Particles in a Thermoset Poly(acrylonitrile) Matrix," J. Mater. Chem., 5(8):1197-1201, 1995. Month unavailable and not in issue.	

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Date Submitted: <u>SEP 13 2007</u>		Filing Date	10/06/2003
(use as many sheets as necessary)		First Named Inventor	Tapesh Yadav
		Art Unit	1755
		Examiner Name	Jerry A. Lorengo
		Attorney Docket Number	037768-0137
Sheet	9	of	12

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	B307	Buhro et al., "Semiconductor Nanocrystals Shape Matters," Nature Materials, vol. 2, Mar. 2003.	
	B308	Burdon et al., "Control of particle size and orientation during in situ precipitation of oxides in polymers," Mater. Res. Soc. Symp. Proc. (1993) vol. 286 (Nanophase and Nanocomposite Materials) pp. 315-320.	
	B309	Chen et al., "Homogeneous dispersion of Nanostructured Aluminum Nitride in a Polyimide Matrix," Advanced Materials, 1994(6):481-484, 1994. Month unavailable and not in issue.	
	B310	Chen et al., "Preparation of nanoscale iron and Fe ₃ O ₄ powders in a polymer matrix," J. Mat. Sci., 32:3571-3575, Jul. 1, 1997.	
	B311	Definition of "pigment": Grant & Hackh's Chemical Dictionary, 1989.	
	B312	Definition of "pigment": Hawley's Condensed Chemical Dictionary, 1993.	
	B313	Duan et al., "High-performance thin-film transistors using semiconductor nanowires and nanoribbons," J. Nature, vol. 425, 9/18/2003, pp. 274-178.	
	B314	Eastman et al., "Processing and Properties of Nanophase Oxides," Mater. Res. Soc. Symp. Proc., 155, 255, 1989.	
	B315	Edlund et al., "Thin-film polymeric sensors for detection and quantification of multivalent metal ions", Sensors and Actuators B. 10: 185-190, 1993.	
	B316	Gaggiotti et al. "Surface chemistry of tin oxide based gas sensors", Appl. Phys., 76(8):4467-71, Oct. 15, 1994.	
	B317	Gaggiotti et al., "Temperature dependencies of sensitivity and surface chemical composition of SnO ₂ gas sensors", Elsevier Sci., S.A., 516-19, (1995).	
	B318	Gleiter H., "Mechanical Properties and Deformation Behavior of Materials Having Ultra-Fine Microstructures," Nastasi et al. Ed., 3-35 (1993).	
	B319	Hahn et al., "Mater. Res. Soc. Symp. Proc.," 196, 71 (1990).	
	B320	Hussain et al., "Mechanical property improvement of carbon fiber reinforced epoxy composites by Al ₂ O ₃ filler dispersion," Materials Letters, 26:185-191, Feb., 1996.	

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Date Submitted: <u>SEP 13 2007</u>			First Named Inventor	Tapesh Yadav	
			Art Unit	1755	
(use as many sheets as necessary)			Examiner Name	Jerry A. Lorengo	
			Attorney Docket Number	037768-0137	
Sheet	10	of	12		

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	B321	Iwama et al., "Ultrafine Powders of TiN and AlN Produced by a Reactive Gas Evaporation Technique with Electron Beam Heating," Journal of Crystal Growth 56 (1982) 265-269, North-Holland Publishing Company		
	B322	Jacobson et al., "Rapid Solidification Processing," Mat. Sci. and Eng., R11.335 (1994).		
	B323	Jiang et al., "Crystalline Silver Nanowires by Soft Solution Processing," Nano Letters, Published on Web Jan. 3, 2002, vol. 2, No. 2, 165-168.		
	B324	Jiang et al., "CuO Nanowires Can be Synthesized by Heating Copper Substrates in Air," Nano Letters, Published on Web Oct. 24, 2002, vol. 2, No. 12, Dec. 2002.		
	B325	Jones, H., "Splat Cooling and Metastable Phases," Rep. Prog. Phys. 36, 1425 (1973).		
	B326	Jun et al., "Carbon coated Fe, Co and Ni ferromagnetic nanoparticles prepared by modified arc discharge," Proceedings-Electrochemical Society (1996), vol. 3, pp. 685-702.		
	B327	Kaiser et al. (IV) J. Applied Phys., 1976, pp. 1064-1072, (41).		
	B328	Kirk-Othmer Encyclopedia of Chemical Technology, p. 37, vol. 19.		
	B329	Mayo, M.J., Mechanical Properties and Deformation Behavior of Materials Having Ultra-fine Microstructures, 361 (1993).		
	B330	Mutsuo et al., "Nanometer size oxide coating on fine particles surface by local hydrolysis method," Nagoya Kogyo Gijutsu Kenshusho Hokoku (1995), 44(10), pp. 493-529.		
	B331	Nieman et al., "Scripta Metall. et Mater.," 24, 145 (1990).		
	B332	Nieman et al., J. Mater. Res., 6, 1012 (1991).		
	B333	Phani, A.R., "X-ray photoelectron spectroscopy studies on Pd doped SnO ₂ liquid petroleum gas sensor", Appl. Phys. Lett., 71(16); 2358-60, Oct. 20, 1997.		
	B334	Serrini "Chemical composition and crystalline structure of SnO ₂ thin films used as gas sensors", Elsevier Sci. S.A., 113-22, 1997.		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/679,611
Date Submitted: <u>SEP 13 2007</u>		Filing Date	10/06/2003
(use as many sheets as necessary)		First Named Inventor	Tapesh Yadav
		Art Unit	1755
		Examiner Name	Jerry A. Lorengo
		Attorney Docket Number	037768-0137
Sheet	11	of	12

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T*
	B335	Siegel, R. W., Materials Science and Technology, 15, VCH, Weinheim, 583 (1991).	
	B336	Siegel, R.W., "Mechanical Properties and Deformation Behavior of Materials Having Ultra-fine Microstructures," Nastasi et al. Ed., 509 (1993).	
	B337	Shandon et al., "Scripta Metall. et Mater.," 25,2389 (1991).	
	B338	Springer, O.S., "Advances in Heat Transfer," 14, 281-341, Academic Press (1978).	
	B339	Steigerwald and Bruns, "Ann. Rev. Mater. Sci.," 19, 471 (1989).	
	B340	Sugaya et al., IEEE Trans. on Magnetics, 31, 2197 (1995).	
	B341	Sun et al., "Crystalline Silver Nanowires by Soft Solution Processing," Nano Letters, Published on Web Jan. 3, 2002, 2002, vol. 2, No. 2, pp. 165-168.	
	B342	Tamaki et al., "J. Electrochem. Soc.," 141, 2207 (1994).	
	B343	Tomohiro et al., "Influence of oxygen content on the mechanical properties of in-situ formed Si3N4-SiC nanocomposites prepared by carbon coating," Journal of the Ceramic Society of Japan (1995), 103 (Nov.), pp. 1177-1181.	
	B344	Uyeda, R., "Prog. Mater. Sci.," 35, 1 (1991), and R. W. Siegel, Materials Science and Technology, 15, VCH, Weinheim, 583 (1991).	
	B345	Uyeda, R., "Studies of Ultrafine Particles in . . ." Prog. Mater. Sci., 35, 1 (1991).	
	B346	Wang et al., "Inorganic Materials Nanocrystals branch out," Nature Materials, vol. 2, Jan. 2003.	
	B347	Wu et al., "Block-by-Block Growth of Single-Crystalline SiSiGe Superlattice Nanowires," Nano Letters, Published on Web Jan. 19, 2002, vol. 2, No. 2, pp. 83-86.	
	B348	Yeack Scranton, "Nanomagnetism," Kluwer Academic, Netherland, 1-6 (1993).	

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	0240	Zhang et al., "Lithium Assisted Self Assembly of Aluminum Carbide Nanowires and Nanoribbons," Nano Letters, Published on Web Dec. 14, 2001; 2002, vol. 2, No. 2, pp. 105-108.	

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